**Ch 24 DNA and Replication**

1. DNA (deoxyribonucleic acid) –
	1. About
		1. Material that carries the information about an organism from one generation to another
		2. Found in the chromatin in the nucleus
		3. Looks like a twisted ladder
		4. Made up of nucelotides
			1. Nucleotides
				1. Made of 3 parts

5- carbon sugar = deoxyribose

Phosphate group (sides of ladder)

Nitrogen base (rungs of ladder)

4 kinds

Adenine

Only pairs with thymine

Thymine

Guanine

Only pairs with cytosine

Cytosine

1. DNA Replication –
	1. Process
		1. a DNA molecule unzips between nucleotides
		2. new bases pair up with unzipped bases